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=> d his

     (FILE 'HOME' ENTERED AT 17:10:03 ON 19 APR 2007)

     FILE 'HCAPLUS' ENTERED AT 17:10:51 ON 19 APR 2007
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                E US20040152625/PN 25
L1              1 S E3
                E US6420359/PN 25
L2              1 S E3
                E "710282-29-4"/BI,RN 25
L3              2 S E3 OR E5 OR E6 OR E7 OR E8 OR E9 OR E10 OR E11 OR E12 OR E13
L4              1 S L1 AND L3
                E "380378-90-5"/BI,RN 25
L5              7 S E3 OR E5 OR E6 OR E7 OR E8 OR E9 OR E10 OR E11 OR E12 OR E13
L6              1 S L5 AND L2

     FILE 'STNGUIDE' ENTERED AT 17:15:46 ON 19 APR 2007

     FILE 'REGISTRY' ENTERED AT 17:16:40 ON 19 APR 2007
L7              1 S 380378-81-4/RN
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     FILE 'REGISTRY' ENTERED AT 17:17:30 ON 19 APR 2007
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L9              1 S L8 AND BCF/FA
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L10             1 S 380378-81-4/RN

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L11             0 S L10
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     FILE 'STNGUIDE' ENTERED AT 17:18:10 ON 19 APR 2007

     FILE 'HCAPLUS' ENTERED AT 17:31:20 ON 19 APR 2007
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                E RITONAVIR+ALL/CT
L12          2647 S RITONAVIR
                E RITONAVIR+ALL/CT
L13        497529 S (RITONAVIR OR "CHEMICAL COMPOUNDS") OR "ORGANIC COMPOUNDS" OR
L14             4 S L7
L15            11 S L1-L10
L16             9 S L15 AND L13
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RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 3 OF 9 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:531365 HCAPLUS
DOCUMENT NUMBER: 141:65063
TITLE: Use of a combination containing a non-nucleoside reverse transcriptase inhibitor (NNRTI) with an inhibitor of cytochrome p450 for the treatment of HIV-1 infection
INVENTOR(S): Cordingley, Michael Graham
PATENT ASSIGNEE(S): Boehringer Ingelheim International GmbH, Germany
SOURCE: PCT Int. Appl., 23 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

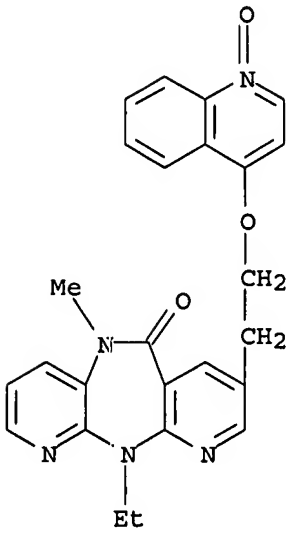
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004054586	A1	20040701	WO 2003-EP14224	20031215
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2510143	A1	20040701	CA 2003-2510143	20031215
AU 2003296647	A1	20040709	AU 2003-296647	20031215
US 2004152625	A1	20040805	US 2003-736301	20031215 <--
EP 1575595	A1	20050921	EP 2003-813119	20031215
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003017095	A	20051025	BR 2003-17095	20031215
CN 1726041	A	20060125	CN 2003-80106301	20031215
JP 2006511538	T	20060406	JP 2004-560402	20031215
NO 2005003455	A	20050810	NO 2005-3455	20050715

PRIORITY APPLN. INFO.:
US 2002-433690P P 20021216
WO 2003-EP14224 W 20031215

AB An improved method for using a NNRTI in the treatment of HIV-1 infection comprises administering to a human in need of treatment for HIV-1 infection a therapeutically effective amount of the NNRTI, or a pharmaceutically acceptable salt thereof, and an amount of an inhibitor of cytochrome P 450 that is sufficient to elevate, enhance, or extend plasma concns. of said NNRTI.

IT 380378-81-4
RL: PAC (Pharmacological activity); PKT (Pharmacokinetics); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(non-nucleoside reverse transcriptase inhibitor combination with cytochrome P 450 inhibitor for treatment of HIV-1 infection)

RN 380378-81-4 HCAPLUS
CN 6H-Dipyrido[3,2-b:2',3'-e][1,4]diazepin-6-one, 11-ethyl-5,11-dihydro-5-methyl-8-[2-[(1-oxido-4-quinolinyl)oxy]ethyl]- (9CI) (CA INDEX NAME)



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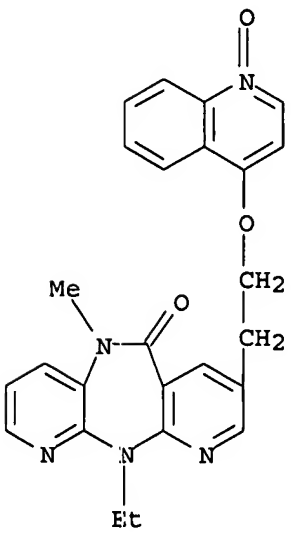
710282-36-3 710282-37-4 710282-38-5
710282-39-6 710282-40-9 710282-41-0
710282-42-1 710282-43-2
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(non-nucleoside reverse transcriptase inhibitor combination with cytochrome P 450 inhibitor for treatment of HIV-1 infection)

RN 380378-81-4 HCAPLUS

CN 6H-Dipyrido[3,2-b:2',3'-e][1,4]diazepin-6-one, 11-ethyl-5,11-dihydro-5-methyl-8-[2-[(1-oxido-4-quinolinyl)oxy]ethyl]- (9CI) (CA INDEX NAME)

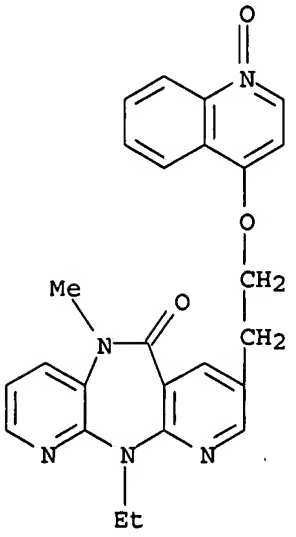


RN 710282-29-4 HCAPLUS

CN 2,5,6,10,13-Pentaazatetradecanedioic acid, 3,12-bis(1,1-dimethylethyl)-8-hydroxy-4,11-dioxo-9-(phenylmethyl)-6-[[4-(2-pyridinyl)phenyl]methyl]-, dimethyl ester, (3S,8S,9S,12S)-, mixt. with 11-ethyl-5,11-dihydro-5-methyl-8-[2-[(1-oxido-4-quinolinyl)oxy]ethyl]-6H-dipyrido[3,2-b:2',3'-e][1,4]diazepin-6-one (9CI) (CA INDEX NAME)

CM 1

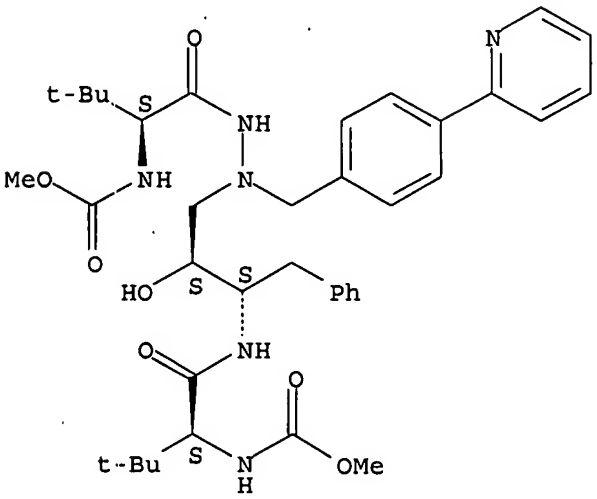
CRN 380378-81-4
CMF C25 H23 N5 O3



CM 2

CRN 198904-31-3
CMF C38 H52 N6 O7

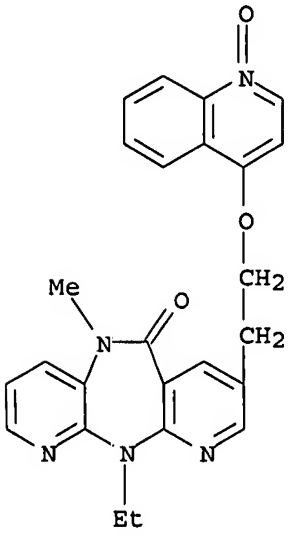
Absolute stereochemistry. Rotation (-).



RN 710282-30-7 HCAPLUS
CN Erythromycin, 6-O-methyl-, mixt. with 11-ethyl-5,11-dihydro-5-methyl-8-[2-[(1-oxido-4-quinolinyl)oxy]ethyl]-6H-dipyrido[3,2-b:2',3'-e][1,4]diazepin-6-one (9CI) (CA INDEX NAME)

CM 1

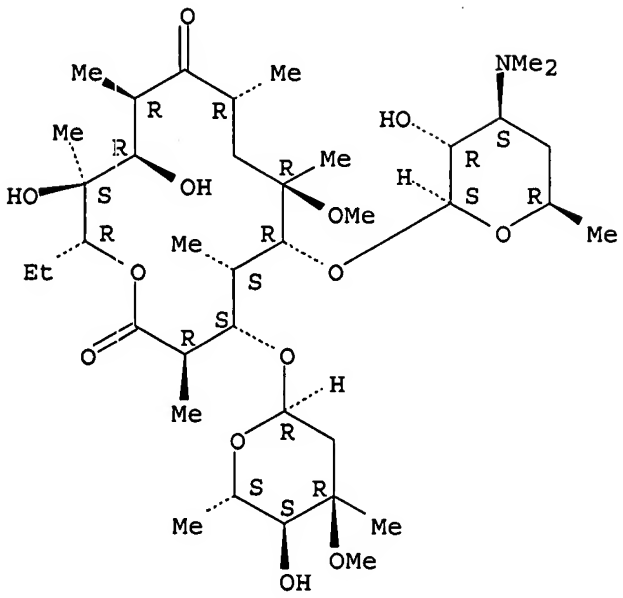
CRN 380378-81-4
CMF C25 H23 N5 O3



CM 2

CRN 81103-11-9
CMF C38 H69 N O13

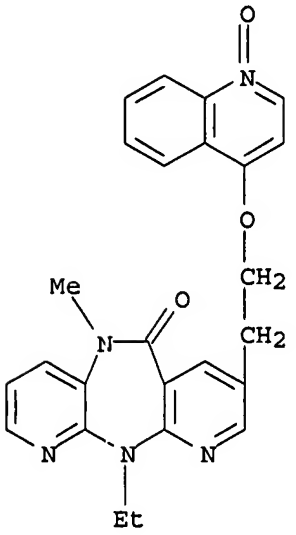
Absolute stereochemistry.



RN 710282-31-8 HCAPLUS
CN Cyclosporin, mixt. with 11-ethyl-5,11-dihydro-5-methyl-8-[2-[(1-oxido-4-quinolinyl)oxy]ethyl]-6H-dipyrido[3,2-b:2',3'-e][1,4]diazepin-6-one (9CI) (CA INDEX NAME)

CM 1

CRN 380378-81-4
CMF C25 H23 N5 O3



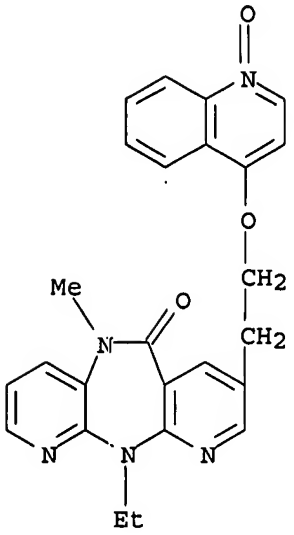
CM 2

CRN 79217-60-0
CMF Unspecified
CCI MAN

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 710282-32-9 HCAPLUS
CN 6H-Dipyrido[3,2-b:2',3'-e][1,4]diazepin-6-one, 11-ethyl-5,11-dihydro-5-methyl-8-[2-[(1-oxido-4-quinolinyl)oxy]ethyl]-, mixt. with (2S,3S)-3-(acetyloxy)-5-[2-(dimethylamino)ethyl]-2,3-dihydro-2-(4-methoxyphenyl)-1,5-benzothiazepin-4(5H)-one (9CI) (CA INDEX NAME)

CM 1

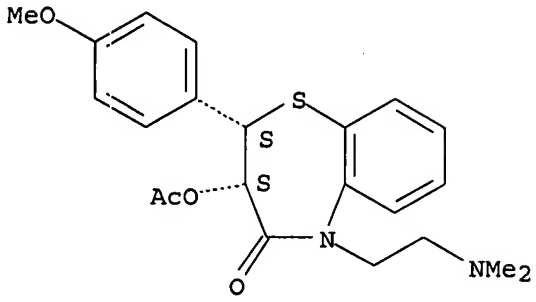
CRN 380378-81-4
CMF C25 H23 N5 O3



CM 2

CRN 42399-41-7
CMF C22 H26 N2 O4 S

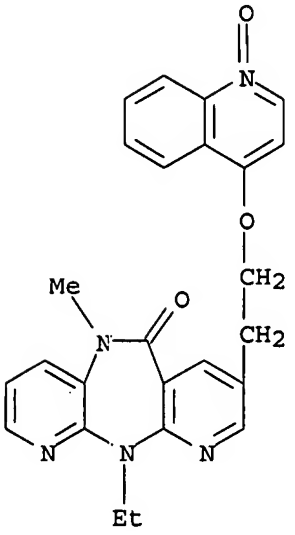
Absolute stereochemistry. Rotation (+).



RN 710282-33-0 HCAPLUS
CN Erythromycin, mixt. with 11-ethyl-5,11-dihydro-5-methyl-8-[2-[(1-oxido-4-quinolinyl)oxy]ethyl]-6H-dipyrido[3,2-b:2',3'-e][1,4]diazepin-6-one (9CI) (CA INDEX NAME)

CM 1

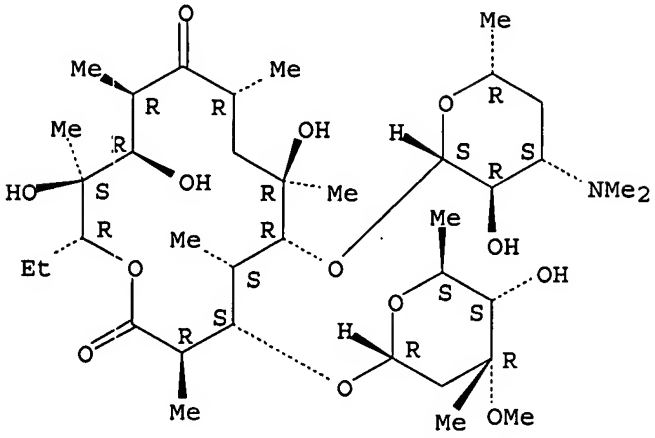
CRN 380378-81-4
CMF C25 H23 N5 O3



CM 2

CRN 114-07-8
CMF C37 H67 N O13

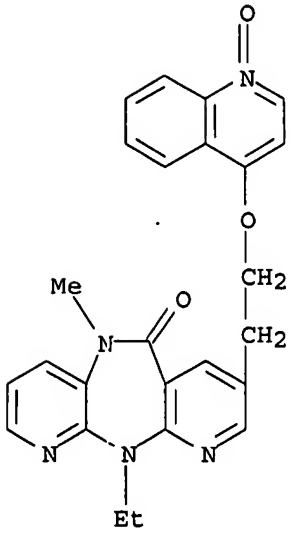
Absolute stereochemistry. Rotation (-).



RN 710282-34-1 HCAPLUS
CN 6H-Dipyrido[3,2-b:2',3'-e][1,4]diazepin-6-one, 11-ethyl-5,11-dihydro-5-methyl-8-[2-[(1-oxido-4-quinolinyl)oxy]ethyl]-, mixt. with 4-[4-[4-[4-[[2-(2,4-dichlorophenyl)-2-(1H-1,2,4-triazol-1-ylmethyl)-1,3-dioxolan-4-yl]methoxy]phenyl]-1-piperazinyl]phenyl]-2,4-dihydro-2-(1-methylpropyl)-3H-1,2,4-triazol-3-one (9CI) (CA INDEX NAME)

CM 1

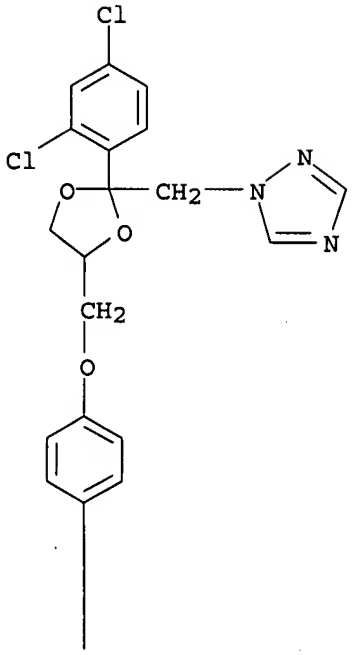
CRN 380378-81-4
CMF C25 H23 N5 O3



CM 2

CRN 84625-61-6
CMF C35 H38 Cl2 N8 O4

PAGE 1-A



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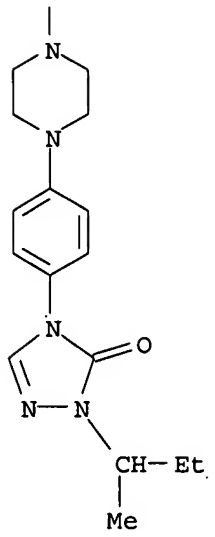
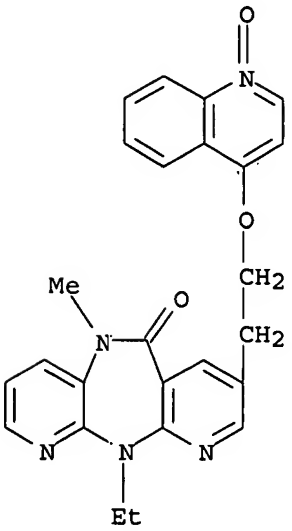


RN 710282-35-2 HCAPLUS
CN D-erythro-Pentonamide, 2,3,5-trideoxy-N-[(1S,2R)-2,3-dihydro-2-hydroxy-1H-inden-1-yl]-5-[(2S)-2-[[(1,1-dimethylethyl)amino]carbonyl]-4-(3-pyridinylmethyl)-1-piperazinyl]-2-(phenylmethyl)-, mixt. with 11-ethyl-5,11-dihydro-5-methyl-8-[2-[(1-oxido-4-quinolinyl)oxy]ethyl]-6H-dipyrido[3,2-b:2',3'-e][1,4]diazepin-6-one (9CI) (CA INDEX NAME)

CM 1

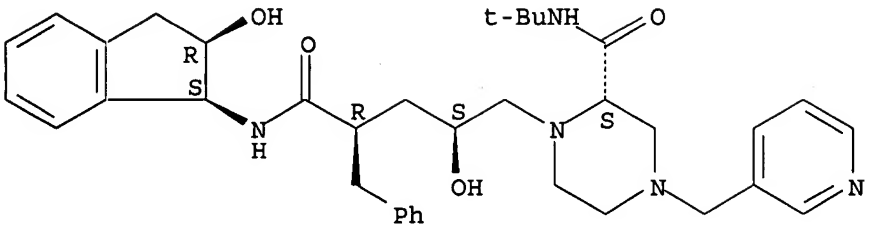
CRN 380378-81-4
CMF C25 H23 N5 O3



CM 2

CRN 150378-17-9
CMF C36 H47 N5 O4

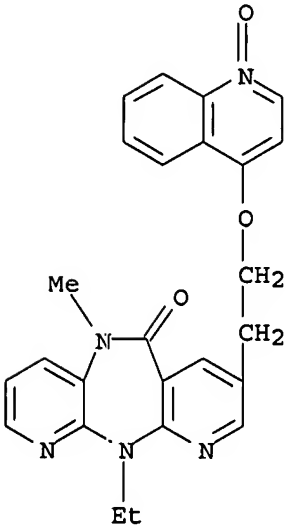
Absolute stereochemistry.



RN 710282-36-3 HCAPLUS
CN 6H-Dipyrido[3,2-b:2',3'-e][1,4]diazepin-6-one, 11-ethyl-5,11-dihydro-5-methyl-8-[2-[(1-oxido-4-quinolinyl)oxy]ethyl]-, mixt. with rel-1-acetyl-4-[4-[[(2R,4S)-2-(2,4-dichlorophenyl)-2-(1H-imidazol-1-ylmethyl)-1,3-dioxolan-4-yl]methoxy]phenyl]piperazine (9CI) (CA INDEX NAME)

CM 1

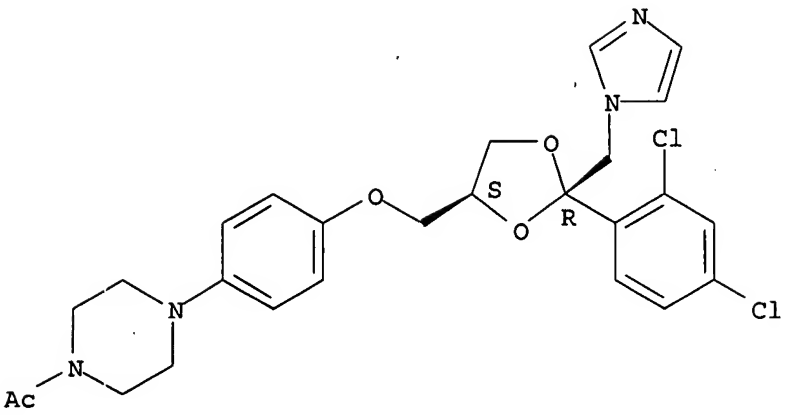
CRN 380378-81-4
CMF C25 H23 N5 O3



CM 2

CRN 65277-42-1
CMF C26 H28 Cl2 N4 O4

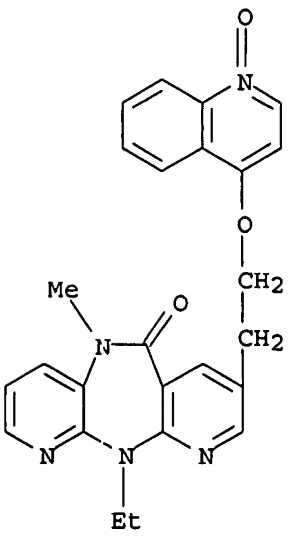
Relative stereochemistry.



RN 710282-37-4 HCAPLUS
CN Acetic acid, methoxy-, (1S,2S)-2-[2-[[3-(1H-benzimidazol-2-yl)propyl]methylamino]ethyl]-6-fluoro-1,2,3,4-tetrahydro-1-(1-methylethyl)-2-naphthalenyl ester, mixt. with 11-ethyl-5,11-dihydro-5-methyl-8-[2-[(1-oxido-4-quinolinyl)oxy]ethyl]-6H-dipyrido[3,2-b:2',3'-e][1,4]diazepin-6-one (9CI) (CA INDEX NAME)

CM 1

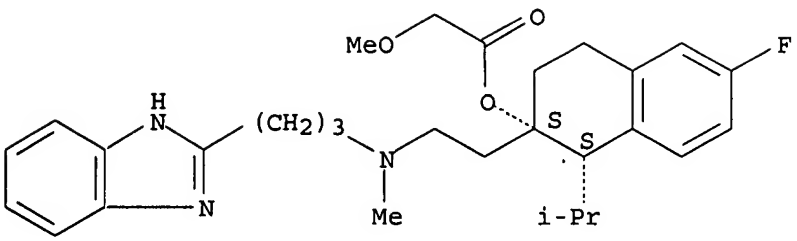
CRN 380378-81-4
CMF C25 H23 N5 O3



CM 2

CRN 116644-53-2
CMF C29 H38 F N3 O3

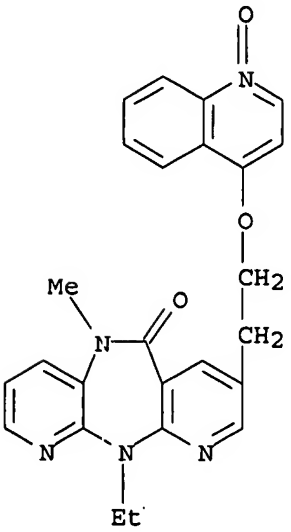
Absolute stereochemistry.



RN 710282-38-5 HCAPLUS
CN 6H-Dipyrido[3,2-b:2',3'-e][1,4]diazepin-6-one, 11-ethyl-5,11-dihydro-5-methyl-8-[2-[(1-oxido-4-quinolinyl)oxy]ethyl]-, mixt. with 2-[3-[4-(3-chlorophenyl)-1-piperazinyl]propyl]-5-ethyl-2,4-dihydro-4-(2-phenoxyethyl)-3H-1,2,4-triazol-3-one (9CI) (CA INDEX NAME)

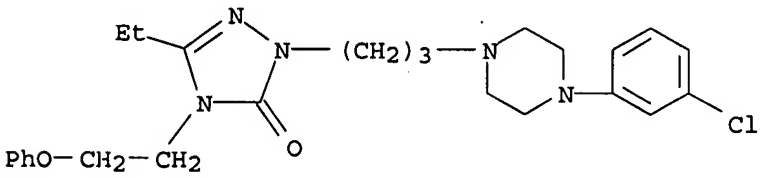
CM 1

CRN 380378-81-4
CMF C25 H23 N5 O3



CM 2

CRN 83366-66-9
CMF C25 H32 Cl N5 O2

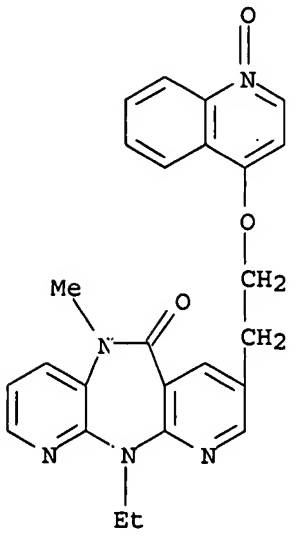


RN 710282-39-6 HCAPLUS
CN 3-Isoquinolinecarboxamide, N-(1,1-dimethylethyl)decahydro-2-[(2R,3R)-2-hydroxy-3-[(3-hydroxy-2-methylbenzoyl)amino]-4-(phenylthio)butyl]-, (3S,4aS,8aS)-, mixt. with 11-ethyl-5,11-dihydro-5-methyl-8-[2-[(1-oxido-4-quinolinyl)oxy]ethyl]-6H-dipyrido[3,2-b:2',3'-e][1,4]diazepin-6-one (9CI)

(CA INDEX NAME)

CM 1

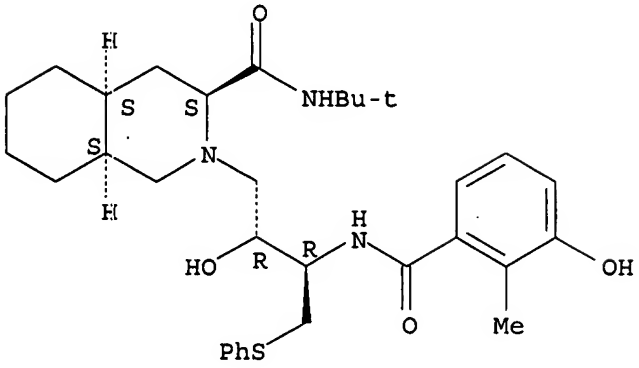
CRN 380378-81-4
CMF C25 H23 N5 O3



CM 2

CRN 159989-64-7
CMF C32 H45 N3 O4 S

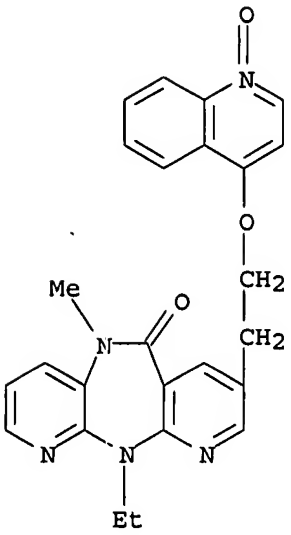
Absolute stereochemistry.



RN 710282-40-9 HCAPLUS
CN 2,4,7,12-Tetraazatridecan-13-oic acid, 10-hydroxy-2-methyl-5-(1-methylethyl)-1-[2-(1-methylethyl)-4-thiazolyl]-3,6-dioxo-8,11-bis(phenylmethyl)-, 5-thiazolylmethyl ester, (5S,8S,10S,11S)-,mixt. with 11-ethyl-5,11-dihydro-5-methyl-8-[2-[(1-oxido-4-quinolinyl)oxy]ethyl]-6H-dipyrido[3,2-b:2',3'-e][1,4]diazepin-6-one (9CI) (CA INDEX NAME)

CM 1

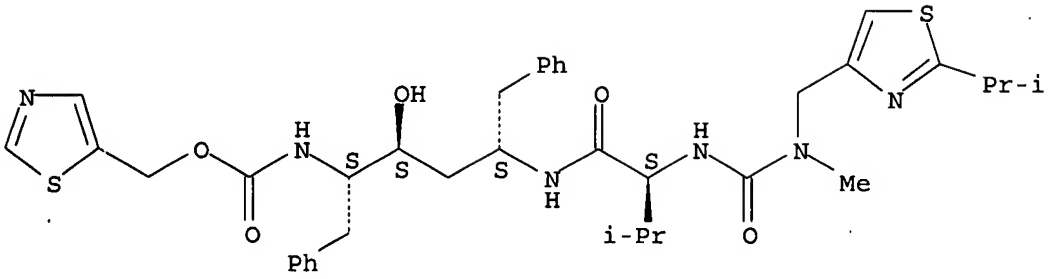
CRN 380378-81-4
CMF C25 H23 N5 O3



CM 2

CRN 155213-67-5
CMF C37 H48 N6 O5 S2

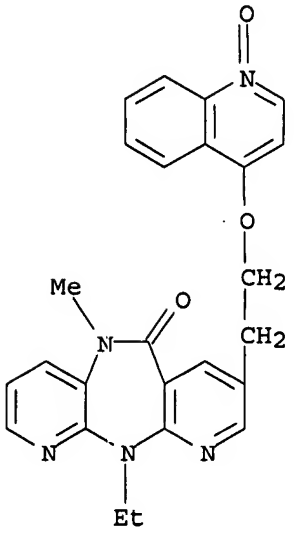
Absolute stereochemistry.



RN 710282-41-0 HCAPLUS
CN Vitamin E, mixt. with 11-ethyl-5,11-dihydro-5-methyl-8-[2-[(1-oxido-4-quinolinyl)oxy]ethyl]-6H-dipyrido[3,2-b:2',3'-e][1,4]diazepin-6-one (9CI) (CA INDEX NAME)

CM 1

CRN 380378-81-4
CMF C25 H23 N5 O3



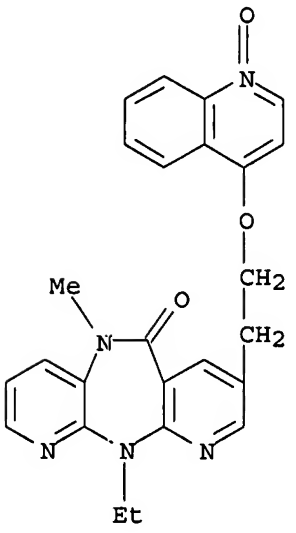
CM 2

CRN 1406-18-4
CMF Unspecified
CCI MAN

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 710282-42-1 HCAPLUS
CN 6H-Dipyrido[3,2-b:2',3'-e][1,4]diazepin-6-one, 11-ethyl-5,11-dihydro-5-methyl-8-[2-[(1-oxido-4-quinolinyl)oxy]ethyl]-, mixt. with 4-[[(2E)-3,7-dimethyl-2,6-octadienyl]oxy]-7H-furo[3,2-g][1]benzopyran-7-one (9CI) (CA INDEX NAME)

CM 1

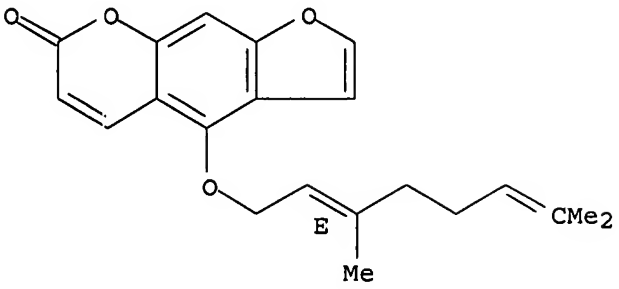
CRN 380378-81-4
CMF C25 H23 N5 O3



CM 2

CRN 7380-40-7
CMF C21 H22 O4

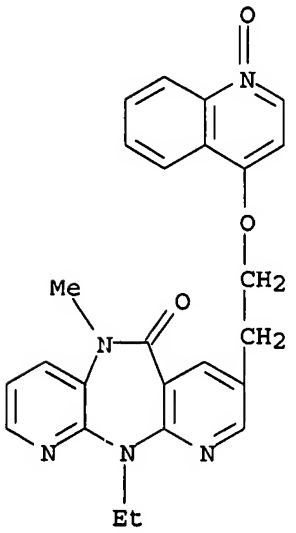
Double bond geometry as shown.



RN 710282-43-2 HCAPLUS
CN 6H-Dipyrido[3,2-b:2',3'-e][1,4]diazepin-6-one, 11-ethyl-5,11-dihydro-5-methyl-8-[2-[(1-oxido-4-quinolinyl)oxy]ethyl]-, mixt. with 4-[[(2E)-6,7-dihydroxy-3,7-dimethyl-2-octenyl]oxy]-7H-furo[3,2-g][1]benzopyran-7-one (9CI) (CA INDEX NAME)

CM 1

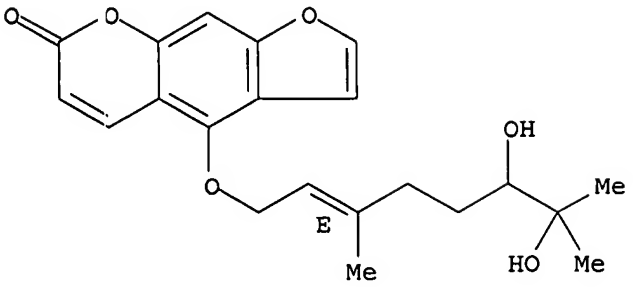
CRN 380378-81-4
CMF C25 H23 N5 O3



CM 2

CRN 145414-76-2
CMF C21 H24 O6

Double bond geometry as shown.

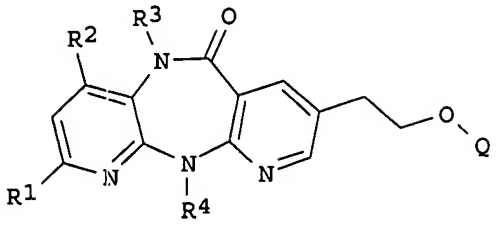


REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 4 OF 9 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:451667 HCAPLUS
DOCUMENT NUMBER: 141:23559
TITLE: Preparation of 5,11-dihydro-8-(2-hydroxyethyl)-6H-dipyrido[3,2-b:2',3'-e][1,4]diazepin-6-one derivatives as non-nucleoside reverse transcriptase inhibitors
INVENTOR(S): Yoakim, Christiane; Malenfant, Eric; Thavonekham, Bounkham; Ogilvie, William; Deziel, Robert
PATENT ASSIGNEE(S): Boehringer Ingelheim (Canada) Ltd., Can.
SOURCE: U.S. Pat. Appl. Publ., 27 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004106791	A1	20040603	US 2003-662856	20030915
US 7105510	B2	20060912		
CA 2495721	A1	20041007	CA 2003-2495721	20030915
WO 2004085437	A1	20041007	WO 2003-CA1409	20030915
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003303944	A1	20041018	AU 2003-303944	20030915
EP 1554276	A1	20050720	EP 2003-816107	20030915
EP 1554276	B1	20060628		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2006515312	T	20060525	JP 2004-569819	20030915
AT 331716	T	20060715	AT 2003-816107	20030915
PRIORITY APPLN. INFO.:			US 2002-411785P P	20020919
			WO 2003-CA1409 W	20030915

OTHER SOURCE(S): MARPAT 141:23559
GI



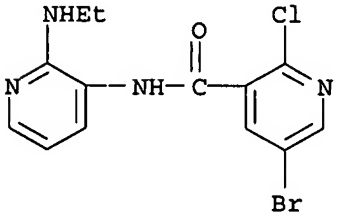
I

AB The title compds. represented by formula (I) [wherein R1 = H, halogen, C1-4 alkyl, C1-4 alkoxy, haloalkyl; R2, R3 = H, C1-4 alkyl; R4 = C1-4 alkyl, C1-4 alkyl-C3-7 cycloalkyl, C3-7 cycloalkyl; Q = a fused phenyl-5 or 6-membered saturated heterocycle having one to two heteroatoms selected from O and N, said Q being optionally substituted with hydroxy, or C1-4 alkyl which in turn maybe optionally substituted with pyridinyl-N-oxide or CO2R (wherein R = H, C1-4 alkyl)] or salts thereof are prepared These compds. have inhibitory activity against wild type HIV and single and double mutants strains of HIV. Thus, Mitsunobu reaction of 2,3-Dihydro-1H-isoindole with 5,11-Dihydro-11-ethyl-8-(2-hydroxyethyl)-5-methyl-6H-dipyrido[3,2-b:2',3'-e][1,4]diazepin-6-one using DEAD and Ph3P in THF at room temperature for 16 h gave I (R1 = R2 = H, R3 = Me, R4 = Et, Q = 2,3-dihydro-1-oxo-1H-isoindol-4-yl) which showed IC50 of <10 μM against RNA-dependent DNA polymerase of HIV-1 RT.

IT 380378-90-5P, 2-Chloro-N-[2-(ethylamino)-3-pyridinyl]-5-bromo-3-pyridinecarboxamide 380378-91-6P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of 5,11-dihydro-8-(2-hydroxyethyl)-6H-dipyrido[3,2-b:2',3'-e][1,4]diazepin-6-one derivs. as non-nucleoside reverse transcriptase inhibitors and HIV inhibitors)

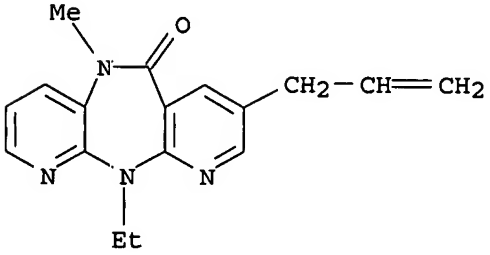
RN 380378-90-5 HCAPLUS

CN 3-Pyridinecarboxamide, 5-bromo-2-chloro-N-[2-(ethylamino)-3-pyridinyl]- (9CI) (CA INDEX NAME)



RN 380378-91-6 HCAPLUS

CN 6H-Dipyrido[3,2-b:2',3'-e][1,4]diazepin-6-one, 11-ethyl-5,11-dihydro-5-methyl-8-(2-propenyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 5 OF 9 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:267338 HCAPLUS
DOCUMENT NUMBER: 140:303707
TITLE: Preparation of 9H-imidazo[1,2-d]dipyrido[2,3-b:3',2'-f][1,4]diazepine derivatives as tetracyclic non-nucleoside reverse transcriptase inhibitors useful against wild type and double-mutation K103N/Y181C enzymes
INVENTOR(S): Yoakim, Christiane; O'Meara, Jeffrey; Simoneau, Bruno; Ogilvie, William W.; Deziel, Robert
PATENT ASSIGNEE(S): Boehringer Ingelheim (Canada) Ltd., Can.
SOURCE: PCT Int. Appl., 54 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 2004026875	A1	20040401	WO 2003-CA1410		20030915
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW					
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
CA 2495744	A1	20040401	CA 2003-2495744		20030915
AU 2003269628	A1	20040408	AU 2003-269628		20030915
US 2004132723	A1	20040708	US 2003-662606		20030915
EP 1543006	A1	20050622	EP 2003-750192		20030915
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK					
JP 2006505532	T	20060216	JP 2004-536726		20030915
PRIORITY APPLN. INFO.:			US 2002-411745P	P	20020919
			WO 2003-CA1410	W	20030915

OTHER SOURCE(S): MARPAT 140:303707
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

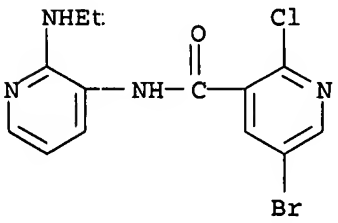
AB Title compds. I are disclosed [wherein: R1 = H, halogen, (C1-4)alkyl, O(C1-4)alkyl, and haloalkyl; R2 = H or Me; R3 = H or (C1-4)alkyl; R4 = H or (C1-4)alkyl; R5 = (C1-4)alkyl, (C1-4)alkyl(C3-7)cycloalkyl, or (C3-7)cycloalkyl; W = benzo-fused 5- or 6-membered heterocycle having one or two N and/or S atoms; W = Ph, 1,1'-biphenyl, 2,3-dihydro-1H-indene, 1,2,3,4-tetrahydronaphthyl, or naphthyl; W being optionally substituted with (C1-4)alkyl, which in turn can be optionally substituted with a carboxy or (C1-4)alkoxycarbonyl; or a salt or ester thereof]. The compds. have inhibitory activity against wild type (WT), single-mutant, and double-mutant strains of HIV, and are particularly potent against WT and double-mutant K103N/Y181C strains of HIV-1 reverse transcriptase (RT). Over 20 compds. I were prepared and tested. For instance, the thione

intermediate II was prepared in 8 steps from 2-chloro-3-nitropyridine and 5-bromo-2-chloro-3-pyridinecarbonyl chloride. Cyclocondensation of the thioamide function of II with aminoacetaldehyde di-Me acetal to form an imidazole fusion, followed by deprotection, etherification with a carboxy-protected hydroxybiphenylacetic acid derivative, and deprotection, gave title compound III. In assays for inhibition of RT, III had IC50 values of <50 nM for both WT and K103N/Y181C strains of RT. In a cell-based assay against WT HIV-1, III had an EC50 of <10 nM.

IT 380378-90-5P, 2-Chloro-N-[2-(ethylamino)-3-pyridinyl]-5-bromo-3-pyridinecarboxamide
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(intermediate; preparation of imidazodipyridodiazepine derivs. as non-nucleoside reverse transcriptase inhibitors useful against wild type and double-mutation K103N/Y181C enzymes)

RN 380378-90-5 HCAPLUS

CN 3-Pyridinecarboxamide, 5-bromo-2-chloro-N-[2-(ethylamino)-3-pyridinyl]-(9CI) (CA INDEX NAME)



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 6 OF 9 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:51812 HCAPLUS

DOCUMENT NUMBER: 140:287364

TITLE: Novel nevirapine-like inhibitors with improved activity against NNRTI-resistant HIV: 8-heteroarylthiomethyldipyridodiazepinone derivatives

AUTHOR(S): Yoakim, C.; Bonneau, P. R.; Deziel, R.; Doyon, L.; Duan, J.; Guse, I.; Landry, S.; Malenfant, E.; Naud, J.; Ogilvie, W. W.; O'Meara, J. A.; Plante, R.; Simoneau, B.; Thavonekham, B.; Bos, M.; Cordingley, M. G.

CORPORATE SOURCE: Department of Chemistry, Research & Development, Boehringer Ingelheim (Canada) Ltd, Lava, QC, 2100, Can.

SOURCE: Bioorganic & Medicinal Chemistry Letters (2004), 14(3), 739-742
CODEN: BMCLE8; ISSN: 0960-894X

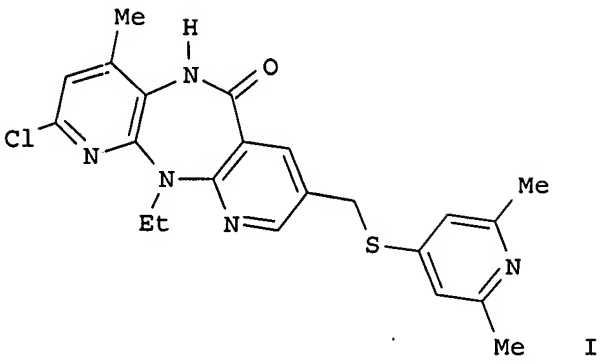
PUBLISHER: Elsevier Science B.V.

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 140:287364

GI



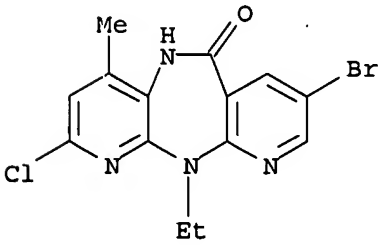
I

AB A series of 8-heteroarylthiomethyldipyridodiazepinone derivs. were prepared and evaluated for their antiviral profile against wild type virus and the important K103N/Y181C mutant as an indicator for broad activity. 2,6-Dimethylpyridine derivative I was found to have a good pharmacokinetic profile in spite of poor metabolic stability in rat liver microsomes.

IT 380379-06-6
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of 8-heteroarylthiomethyldipyridodiazepinone derivs. with improved activity against NNRTI-resistant HIV)

RN 380379-06-6 HCAPLUS

CN 6H-Dipyrido[3,2-b:2',3'-e][1,4]diazepin-6-one, 8-bromo-2-chloro-11-ethyl-5,11-dihydro-4-methyl- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 7 OF 9 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2003:777795 HCAPLUS

DOCUMENT NUMBER: 139:292278

TITLE: Dipyridodiazepinones as reverse transcriptase inhibitors

INVENTOR(S): O'Meara, Jeffrey; Simoneau, Bruno; Yoakim, Christiane; Deziel, Robert; Ogilvie, William W.

PATENT ASSIGNEE(S): Boehringer Ingelheim International G.m.b.H., Germany

SOURCE: PCT Int. Appl., 39 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003080612	A1	20031002	WO 2003-CA418	20030324

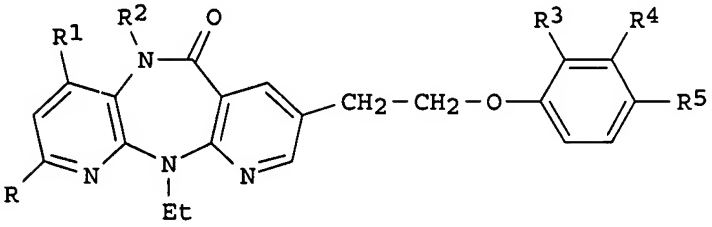
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,

CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT,
TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

US 2003195197	A1	20031016	US 2003-379448		20030304
US 6706706	B2	20040316			
CA 2479216	A1	20031002	CA 2003-2479216		20030324
AU 2003215466	A1	20031008	AU 2003-215466		20030324
BR 2003008704	A	20050104	BR 2003-8704		20030324
EP 1495024	A1	20050112	EP 2003-744749		20030324
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK					
CN 1642956	A	20050720	CN 2003-806463		20030324
JP 2005521699	T	20050721	JP 2003-578366		20030324
IN 2004DN02433	A	20070302	IN 2004-DN2433		20040820
NO 2004004043	A	20040929	NO 2004-4043		20040924
PRIORITY APPLN. INFO.:			US 2002-367971P	P	20020327
			WO 2003-CA418	W	20030324

OTHER SOURCE(S): MARPAT 139:292278

GI



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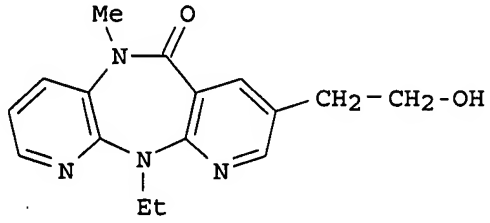
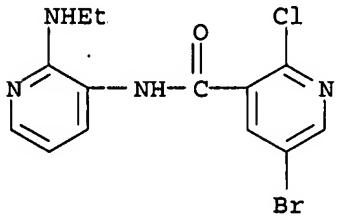


II

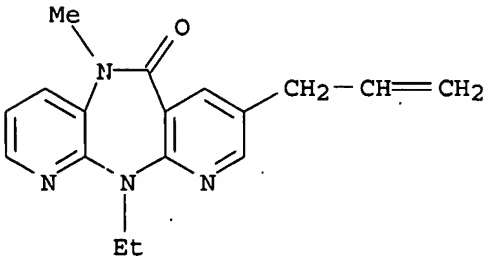
AB This invention provides the compds. I (R = H, halogen, (C1-4)alkyl, O(C1-4)alkyl, NH(C1-4alkyl) or N(C1-4alkyl)2; R1 = H or Me; R2 = H or Me; R3 = H, halogen, (C1-4)alkyl, CF3, or NO2; R4 = H, (C1-4)alkyl, halogen, OH, or NH2, with the proviso that R3 and R4 are not both H; and R5 = COOR5a wherein R5a = H or (C1-6)alkyl; or R5 is (C2-4)alkenylCOOR5a, (C1-4)alkylCOOR5a) or a salt or a prodrug, useful as inhibitors of HIV reverse transcriptase. For example, I (R = R1 = R4 = nul; R2 = Me, R3 = Et, R5 = CO2H) was prepared in a multistep process, starting from 2-chloro-3-nitropyridine and ethylamine to give 2-ethylamino-3-nitropyridine which was reduced and subsequently reacted with 5-bromo-2-chloro-3-pyridinecarbonyl chloride; the product was cyclized, reacted with allyltributylstannane, and then oxidized to II; II was reacted with Me 3-ethyl-4-hydroxybenzoate and saponified to give I (R = R1 = R4 = nul; R2 = Me, R3 = Et, R5 = CO2H) in 98 % yield.

IT 380378-90-5P 380378-91-6P 380378-93-8P
380378-94-9P 380378-98-3P, 2-Ethylamino-6-fluoro-3-nitropyridine 380378-99-4P, 3-Amino-2-ethylamino-6-fluoropyridine 380379-00-0P 380379-01-1P
380379-02-2P 380379-03-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of dipyridodiazepinones as reverse transcriptase inhibitors)

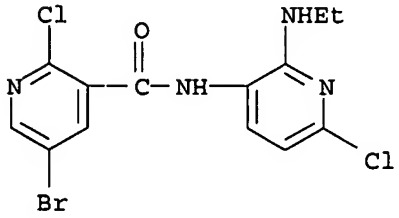
RN 380378-90-5 HCAPLUS
CN 3-Pyridinecarboxamide, 5-bromo-2-chloro-N-[2-(ethylamino)-3-pyridinyl]- (9CI) (CA INDEX NAME)



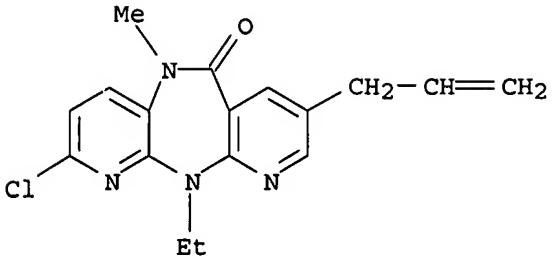
RN 380378-91-6 HCAPLUS
CN 6H-Dipyrido[3,2-b:2',3'-e][1,4]diazepin-6-one, 11-ethyl-5,11-dihydro-5-methyl-8-(2-propenyl)- (9CI) (CA INDEX NAME)



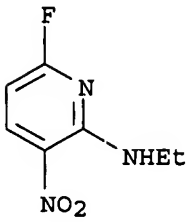
RN 380378-93-8 HCAPLUS
CN 3-Pyridinecarboxamide, 5-bromo-2-chloro-N-[6-chloro-2-(ethylamino)-3-pyridinyl]- (9CI) (CA INDEX NAME)



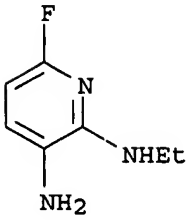
RN 380378-94-9 HCAPLUS
CN 6H-Dipyrido[3,2-b:2',3'-e][1,4]diazepin-6-one, 2-chloro-11-ethyl-5,11-dihydro-5-methyl-8-(2-propenyl)- (9CI) (CA INDEX NAME)



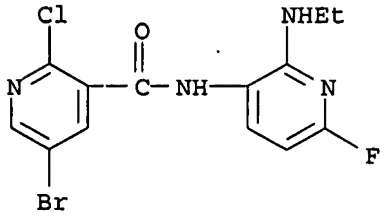
RN 380378-98-3 HCAPLUS
CN 2-Pyridinamine, N-ethyl-6-fluoro-3-nitro- (9CI) (CA INDEX NAME)



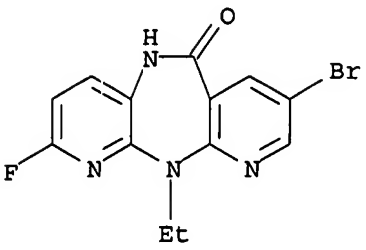
RN 380378-99-4 HCAPLUS
CN 2,3-Pyridinediamine, N2-ethyl-6-fluoro- (9CI) (CA INDEX NAME)



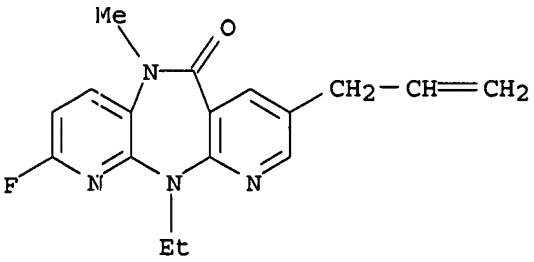
RN 380379-00-0 HCAPLUS
CN 3-Pyridinecarboxamide, 5-bromo-2-chloro-N-[2-(ethylamino)-6-fluoro-3-pyridinyl]- (9CI) (CA INDEX NAME)



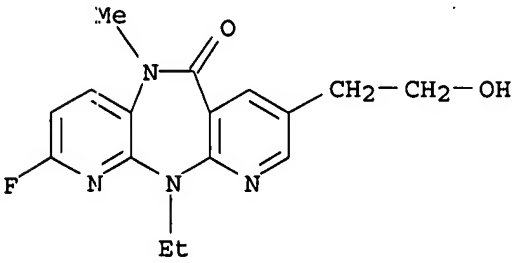
RN 380379-01-1 HCAPLUS
CN 6H-Dipyrido[3,2-b:2',3'-e][1,4]diazepin-6-one, 8-bromo-11-ethyl-2-fluoro-5,11-dihydro- (9CI) (CA INDEX NAME)



RN 380379-02-2 HCAPLUS
CN 6H-Dipyrido[3,2-b:2',3'-e][1,4]diazepin-6-one, 11-ethyl-2-fluoro-5,11-dihydro-5-methyl-8-(2-propenyl)- (9CI) (CA INDEX NAME)



RN 380379-03-3 HCAPLUS
CN 6H-Dipyrido[3,2-b:2',3'-e][1,4]diazepin-6-one, 11-ethyl-2-fluoro-5,11-dihydro-8-(2-hydroxyethyl)-5-methyl- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

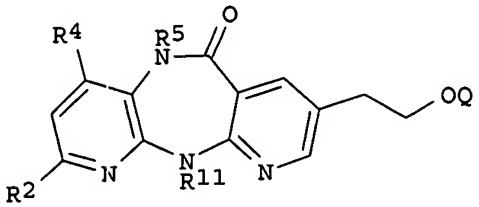
L16 ANSWER 8 OF 9 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2003:117825 HCAPLUS
DOCUMENT NUMBER: 138:170259
TITLE: Preparation of dipyridodiazepinones as reverse transcriptase inhibitors
INVENTOR(S): Ogilvie, William W.; Deziel, Robert; O'Meara, Jeffrey; Simoneau, Bruno
PATENT ASSIGNEE(S): Boehringer Ingelheim (Canada) Ltd., Can.
SOURCE: PCT Int. Appl., 71 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

WO 2003011862	A1	20030213	WO 2002-CA1161		20020726
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW					
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
US 2003171363	A1	20030911	US 2002-205094		20020725
US 6673791	B2	20040106			
CA 2450868	A1	20030213	CA 2002-2450868		20020726
AU 2002355614	A1	20030217	AU 2002-355614		20020726
EP 1414820	A1	20040506	EP 2002-750729		20020726
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK					
JP 2004537568	T	20041216	JP 2003-517054		20020726
PRIORITY APPLN. INFO.:			US 2001-308710P	P	20010730
			WO 2002-CA1161	W	20020726

OTHER SOURCE(S): MARPAT 138:170259

GI



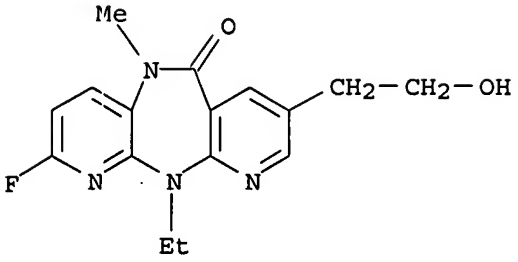
I

AB Title compds. [I; R2 = H, halo, NHNH2, alkyl, alkoxy, haloalkyl; R4 = H, Me; R5 = H, alkyl; R11 = alkyl, alkylcycloalkyl, cycloalkyl; Q = (substituted) naphthyl, fused phenylcycloalkyl, fused phenylheterocyclyl having 1-2 O, N, S], were prepared Thus, diisopropyl azodicarboxylate in THF was added dropwise to a mixture of 5,11-dihydro-11-ethyl-2-fluoro-5-methyl-8-(2-hydroxyethyl)-6H-dipyrido[3,2-b:2',3'-e][1,4]diazepin-6-one, Ph3P, and 4-formyl-1-naphthol followed by stirring for 1 h to give 56% formylnaphthyl ether derivative, which was stirred with AgNO3 and NaOH in EtOH/THF to give 62% title compound I (Q = 4-carboxynaphthyl-1-yl; R2 = F; R4 = H; R5 = Me; R11 = Et) (II). II showed IC50<100 nM against wild type HIV-1 reverse transcriptase.

IT 380379-03-3
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of dipyridodiazepinones as reverse transcriptase inhibitors)

RN 380379-03-3 HCAPLUS

CN 6H-Dipyrido[3,2-b:2',3'-e][1,4]diazepin-6-one, 11-ethyl-2-fluoro-5,11-dihydro-8-(2-hydroxyethyl)-5-methyl- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 9 OF 9 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2001:923799 HCAPLUS
DOCUMENT NUMBER: 136:37632
TITLE: Preparation of non-nucleoside reverse transcriptase inhibitors
INVENTOR(S): Simoneau, Bruno
PATENT ASSIGNEE(S): Boehringer Ingelheim (Canada) Ltd., Can.
SOURCE: PCT Int. Appl., 76 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001096338	A1	20011220	WO 2001-CA890	20010614
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
BR 2001002377	A	20020219	BR 2001-2377	20010612
US 2002028807	A1	20020307	US 2001-879447	20010612 <--
US 6420359	B2	20020716		
CA 2411766	A1	20011220	CA 2001-2411766	20010614
CA 2411766	C	20060523		
EP 1294720	A1	20030326	EP 2001-949124	20010614
EP 1294720	B1	20060405		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
HU 200301105	A2	20030828	HU 2003-1105	20010614
JP 2004502787	T	20040129	JP 2002-510480	20010614
EE 200200690	A	20040615	EE 2002-690	20010614
NZ 523549	A	20040827	NZ 2001-523549	20010614
AT 322492	T	20060415	AT 2001-949124	20010614
EP 1655300	A1	20060510	EP 2006-100695	20010614
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY, TR				
PT 1294720	T	20060630	PT 2001-949124	20010614
ES 2261433	T3	20061116	ES 2001-1949124	20010614
IN 2002MN01622	A	20041211	IN 2002-MN1622	20021115
ZA 2002009807	A	20031016	ZA 2002-9807	20021203
BG 107348	A	20040630	BG 2002-107348	20021203
NO 2002005844	A	20021205	NO 2002-5844	20021205

HK 1057558	A1	20050408	HK 2004-100468		20040121
PRIORITY APPLN. INFO.:			US 2000-212329P	P	20000616
			US 2000-256638P	P	20001218
			EP 2001-949124	A3	20010614
			WO 2001-CA890	W	20010614

OTHER SOURCE(S): MARPAT 136:37632
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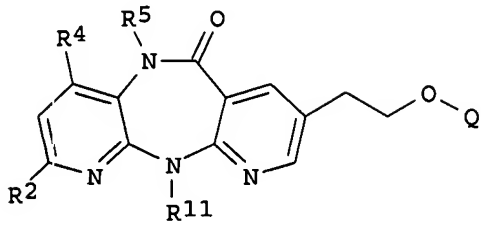

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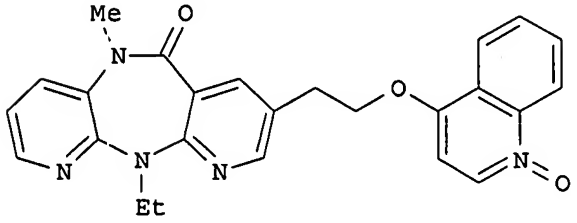


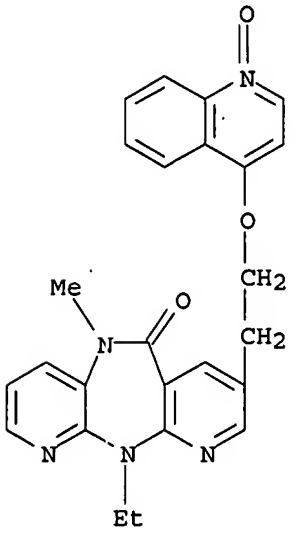
II

AB Compds. of formula I [R2 = H, F, Cl, (C1-4) alkyl, (C3-4) cycloalkyl, CF3; R4 = H, Me; R5 = H, Me, Et; R4 and R5 are not both Me, and if R4 is Me then R5 cannot be Et; R11 = Et, cyclopropyl, Pr, iso-Pr, isobutyl; Q = 4- or 5-quinolinyl or their 1-oxides] are prepared as inhibitors of HIV reverse transcriptase, wild-type and several mutant strains. Thus, II was prepared in several steps from 2-chloro-3-nitropyridine, ethylamine, 5-bromo-2-chloro-3-pyridinecarbonyl chloride and 4-hydroxyquinoline. II was shown to inhibit wild-type and mutant strains of reverse transcriptase in assays.

IT 380378-81-4P 380378-97-2P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of dipyridodiazepinone derivs. as reverse transcriptase inhibitors)

RN 380378-81-4 HCAPLUS

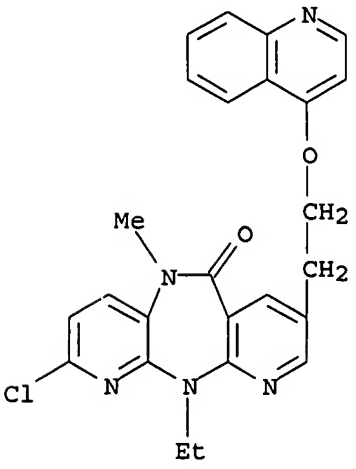
CN 6H-Dipyrido[3,2-b:2',3'-e][1,4]diazepin-6-one, 11-ethyl-5,11-dihydro-5-methyl-8-[2-[(1-oxido-4-quinolinyl)oxy]ethyl]- (9CI) (CA INDEX NAME)



RN 380378-97-2 HCAPLUS
CN 6H-Dipyrido[3,2-b:2',3'-e][1,4]diazepin-6-one, 2-chloro-11-ethyl-5,11-dihydro-5-methyl-8-[2-(4-quinolinyloxy)ethyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

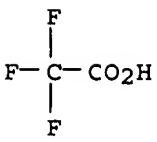
CM 1

CRN 380378-63-2
CMF C25 H22 Cl N5 O2



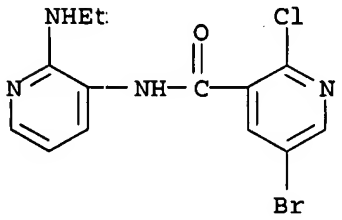
CM 2

CRN 76-05-1
CMF C2 H F3 O2

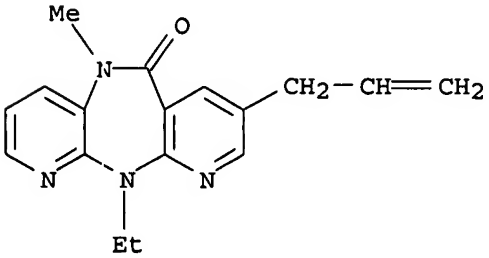


IT 380378-90-5P 380378-91-6P 380378-92-7P
380378-93-8P 380378-94-9P 380378-95-0P
380378-96-1P 380378-98-3P 380378-99-4P
380379-00-0P 380379-01-1P 380379-02-2P
380379-03-3P 380379-04-4P 380379-05-5P
380379-06-6P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of dipyridodiazepinone derivs. as reverse transcriptase inhibitors)

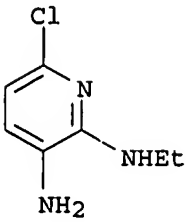
RN 380378-90-5 HCAPLUS
CN 3-Pyridinecarboxamide, 5-bromo-2-chloro-N-[2-(ethylamino)-3-pyridinyl]- (9CI) (CA INDEX NAME)



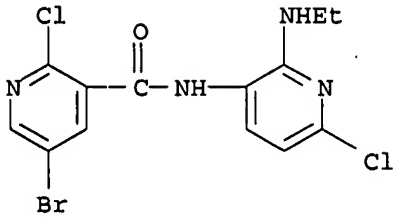
RN 380378-91-6 HCAPLUS
CN 6H-Dipyrido[3,2-b:2',3'-e][1,4]diazepin-6-one, 11-ethyl-5,11-dihydro-5-methyl-8-(2-propenyl)- (9CI) (CA INDEX NAME)



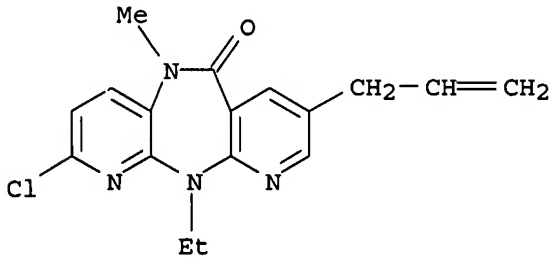
RN 380378-92-7 HCAPLUS
CN 2,3-Pyridinediamine, 6-chloro-N2-ethyl- (9CI) (CA INDEX NAME)



RN 380378-93-8 HCAPLUS
CN 3-Pyridinecarboxamide, 5-bromo-2-chloro-N-[6-chloro-2-(ethylamino)-3-pyridinyl]- (9CI) (CA INDEX NAME)



RN 380378-94-9 HCAPLUS
CN 6H-Dipyrido[3,2-b:2',3'-e][1,4]diazepin-6-one, 2-chloro-11-ethyl-5,11-dihydro-5-methyl-8-(2-propenyl)- (9CI) (CA INDEX NAME)



RN 380378-95-0 HCAPLUS
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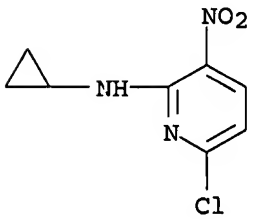
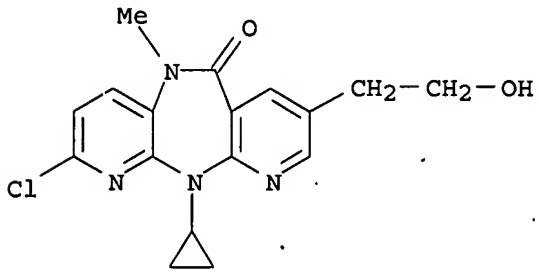
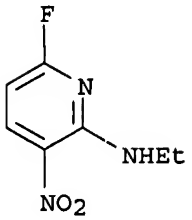


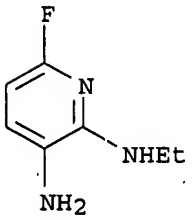
RN 380378-96-1 HCAPLUS
CN 6H-Dipyrido[3,2-b:2',3'-e][1,4]diazepin-6-one, 2-chloro-11-cyclopropyl-5,11-dihydro-8-(2-hydroxyethyl)-5-methyl- (9CI) (CA INDEX NAME)



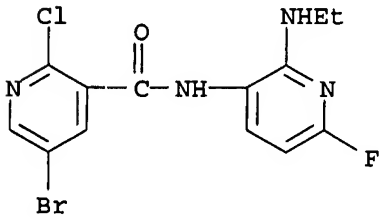
RN 380378-98-3 HCAPLUS
CN 2-Pyridinamine, N-ethyl-6-fluoro-3-nitro- (9CI) (CA INDEX NAME)



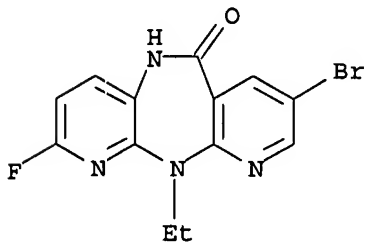
RN 380378-99-4 HCAPLUS
CN 2,3-Pyridinediamine, N2-ethyl-6-fluoro- (9CI) (CA INDEX NAME)



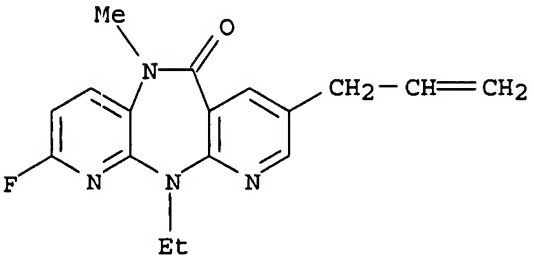
RN 380379-00-0 HCAPLUS
CN 3-Pyridinecarboxamide, 5-bromo-2-chloro-N-[2-(ethylamino)-6-fluoro-3-pyridinyl]- (9CI) (CA INDEX NAME)



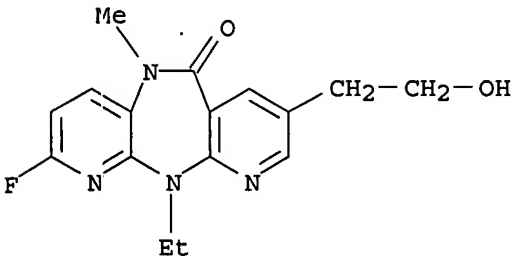
RN 380379-01-1 HCAPLUS
CN 6H-Dipyrido[3,2-b:2',3'-e][1,4]diazepin-6-one, 8-bromo-11-ethyl-2-fluoro-5,11-dihydro- (9CI) (CA INDEX NAME)



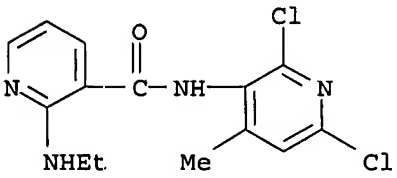
RN 380379-02-2 HCAPLUS
CN 6H-Dipyrido[3,2-b:2',3'-e][1,4]diazepin-6-one, 11-ethyl-2-fluoro-5,11-dihydro-5-methyl-8-(2-propenyl)- (9CI) (CA INDEX NAME)



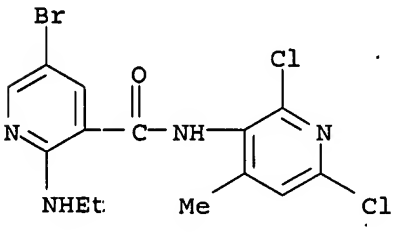
RN 380379-03-3 HCAPLUS
CN 6H-Dipyrido[3,2-b:2',3'-e][1,4]diazepin-6-one, 11-ethyl-2-fluoro-5,11-dihydro-8-(2-hydroxyethyl)-5-methyl- (9CI) (CA INDEX NAME)



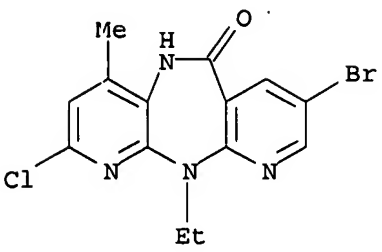
RN 380379-04-4 HCAPLUS
CN 3-Pyridinecarboxamide, N-(2,6-dichloro-4-methyl-3-pyridinyl)-2-(ethylamino)- (9CI) (CA INDEX NAME)



RN 380379-05-5 HCAPLUS
CN 3-Pyridinecarboxamide, 5-bromo-N-(2,6-dichloro-4-methyl-3-pyridinyl)-2-(ethylamino)- (9CI) (CA INDEX NAME)



RN 380379-06-6 HCAPLUS
CN 6H-Dipyrido[3,2-b:2',3'-e][1,4]diazepin-6-one, 8-bromo-2-chloro-11-ethyl-5,11-dihydro-4-methyl- (9CI) (CA INDEX NAME)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EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
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L2	24	"5635523"	US-PGPUB; USPAT	NEAR	ON	2007/04/19 18:14
S1	1	((MICHAEL) near2 (CORDINGLEY)).INV.	US-PGPUB; USPAT	NEAR	ON	2007/04/19 18:12